

**Notice of Allowability**

Application No.	Applicant(s)
10/052,113	LEE ET AL.
Examiner	Art Unit
Krista M. Flanagan	2631

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to Amendment filed on 17 July 2005.

2.  The allowed claim(s) is/are 1.2 and 4-11.

3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)  All    b)  Some\*    c)  None    of the:

1.  Certified copies of the priority documents have been received.

2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.

(a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  
1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.

(b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of  
Paper No./Mail Date 20050928.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jason Lin on September 28, 2005.

The application has been amended as follows:

- In claim 5, line 6; “a clock derivation circuit” should be changed to – a clock multiplication circuit –.
- Also in claim 5, on lines 6, 7, 9, and 10; “derived clock signal” should be changed to – multiplied clock signal –.
- In claim 6 on lines 2 and 3; “derived clock signal” should be changed to – multiplied clock signal –.
- In claim 7, line 1; “said clock derivation circuit” should be changed to – said clock multiplication circuit –.
- Also in claim 7, on line 3; “as said derived clock signal” should be omitted and on line 5 “as said inverted derived clock signal” should be omitted.
- In claim 8, line 6; “a clock derivation circuit” should be changed to – a clock multiplication circuit –.
- Also in claim 8, on lines 6, 7, 9, 10, 12 and 14; “derived clock signal” should be changed to – multiplied clock signal –.

- In claim 9 on line 2; both instances of “derived clock signal” should be changed to – multiplied clock signal –.
- In claim 10, line 1; “said clock derivation circuit” should be changed to – said clock multiplication circuit –.
- Also in claim 10, on line 3; “as said derived clock signal” should be omitted and on line 5 “as said inverted derived clock signal” should be omitted.

***Drawings***

2. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because formal drawings are required. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

***Claim Objections***

3. In view of the amendment filed on 17 July 2005 the Examiner withdraws all claim objections from the previous Office Action.

***Claim Rejections - 35 USC § 112***

In view of the amendment filed on 17 July 2005 the Examiner withdraws all 35 U.S.C. 112, second paragraph claim rejections from the previous Office Action.

***Reasons for Allowance***

4. The following is an examiner’s statement of reasons for allowance: Prior art does not show a circuit for generating aligned clock and data signals where the circuit comprises a clock

Art Unit: 2631

multiplication circuit for receiving an external clock signal and generating a multiplied clock signal which is then used in multiple circuit paths for alignment purposes.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

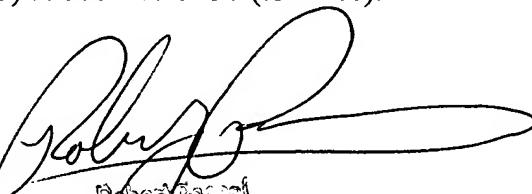
***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krista M. Flanagan whose telephone number is (571) 272-2203. The examiner can normally be reached on Monday - Friday, 8 - 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Pascal can be reached on (571) 272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

K. Flanagan  
20050928



Robert J. Pascal  
Supervisory Patent Examiner  
Technology Center 2800